Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/20/2021 09:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124789	-1	1.31	124690	1.25
Blue	F	SSC	125000	124026	-1	2.87	124270	2.67
Blue	E	FITC	13131	12796	-3	2.27	296	15.61
Blue	D	PE	24112	23643	-2	1.71	541	10.48
Blue	B	PerCP-Cy5-5	31295	30638	-3	3.05	1016	14.06
Blue	A	PE-Cy7	19939	19722	-2	5.11	524	28.85
Red	C	APC	42122	41812	-1	2.95	1752	11.27
Red	A	APC-Cy7	22340	21750	-3	3.32	814	11.35
Violet	B	V450	7410	7108	-5	3.73	440	12.12
Violet	A	V500	28118	26898	-5	3.28	673	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23041	1.18	562	-7	N/A	N/A	Pass
Blue	F	SSC	57847	1.11	512	0	N/A	N/A	Pass
Blue	E	FITC	53	54.62	483	-4	0.0404	85	Pass
Blue	D	PE	114	36.61	485	-3	0.4847	369	Pass
Blue	B	PerCP-Cy5-5	189	34.3	581	-5	0.0213	53	Pass
Blue	A	PE-Cy7	106	65.23	623	-5	0.0222	0	Pass
Red	C	APC	405	23.22	576	0	0.0283	131	Pass
Red	A	APC-Cy7	182	26.87	548	-3	0.0067	1080	Pass
Violet	B	V450	61	59.3	456	3	0.0611	1952	Pass
Violet	A	V500	96	33.12	467	2	0.0264	691	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-31.77	-31.66	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.42	13.60 - 20.40	N/A	N/A	30.17	30.23	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11684

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments